

DEVICE AND SYSTEM FOR PRESSURE SENSING AND CONTROL

ABSTRACT OF THE INVENTION.

[0040] Embodiments of the present invention provide devices and systems in which pressure sensing and pressure control capabilities are integrated. One embodiment of the present invention can include a device for pressure sensing and control comprising a sensor portion operable to sense a pressure and a control portion. The control portion can be operable to compare the sensed pressure to a set point; generate a control signal based on a difference between the sensed pressure and the set point; and output the control signal. The sensor portion and the control sensor portion and control portion can be integrated in a housing.